

National Park Service

Nature & Science

National Park Service
U.S. Department of the Interior



Air Resources

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Ozone Standard Exceedances in National Parks

The level of the National Ambient Air Quality Standard (NAAQS) for ozone is 0.08 ppm, daily maximum 8-hour average. The ozone standard is exceeded at an ambient air quality monitoring site when the 3-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is greater than 0.08 ppm, which occurs when the 3-year average equals or exceeds 0.085 ppm (85ppb). The table below counts the number of days when the daily maximum 8-hour average ozone concentration equaled or exceeded 85ppb.

2001 Ozone Standard Exceedances in National Parks

| Month | April | May | June | July | Aug. | Sept. | Oct. | Season | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------------|----------------------|---|
| Validation Level* | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | Max 8-hr O3 (ppb) | 4 th highest max. 8-hr O3 (ppb) |
| National Park | Count | Count | Count | Count | Count | Count | Count | Total Count | | |
| Acadia | 0 | 1 | 3 | 2 | 2 | 1 | 0 | 9 | 101 | 94 |
| Death Valley | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 89 | -- |
| Great Smoky Mountains - Clingmans Dome | 0 | 3 | 4 | 3 | 0 | 0 | 1 | 11 | 103 | 93 |
| Great Smoky Mountains - Cove Mountain | 0 | 4 | 5 | 0 | 0 | 1 | 0 | 10 | 95 | 91 |
| Great Smoky Mountains - Look Rock | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 89 | 86 |
| Joshua Tree | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 88 | -- |
| Mammoth Cave | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 87 | -- |
| Pinnacles National Monument | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 88 | -- |
| Sequoia-Kings Canyon - Ash Mountain | 0 | 6 | 12 | 11 | 16 | 12 | 4 | 61 | 111 | 104 |
| Sequoia-Kings Canyon - Lower Kaweah | 0 | 0 | 9 | 5 | 11 | 1 | 1 | 27 | 99 | 96 |
| Sequoia-Kings Canyon - Lookout Point | 0 | 4 | 12 | 9 | 9 | 5 | 1 | 40 | 108 | 101 |
| Shenandoah | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 8 | 95 | 90 |
| Yosemite | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 4 | 98 | 87 |

*Please note: Validation level 0 indicates raw data. Counts of days with 8-hr average Ozone greater than 85 ppb may change after the data is fully validated. This table is updated monthly for May through Oct.

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updated on 08/09/2004 | <http://www2.nature.nps.gov/air/monitoring/exceed2001.htm> | Email: [Webmaster](#)

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